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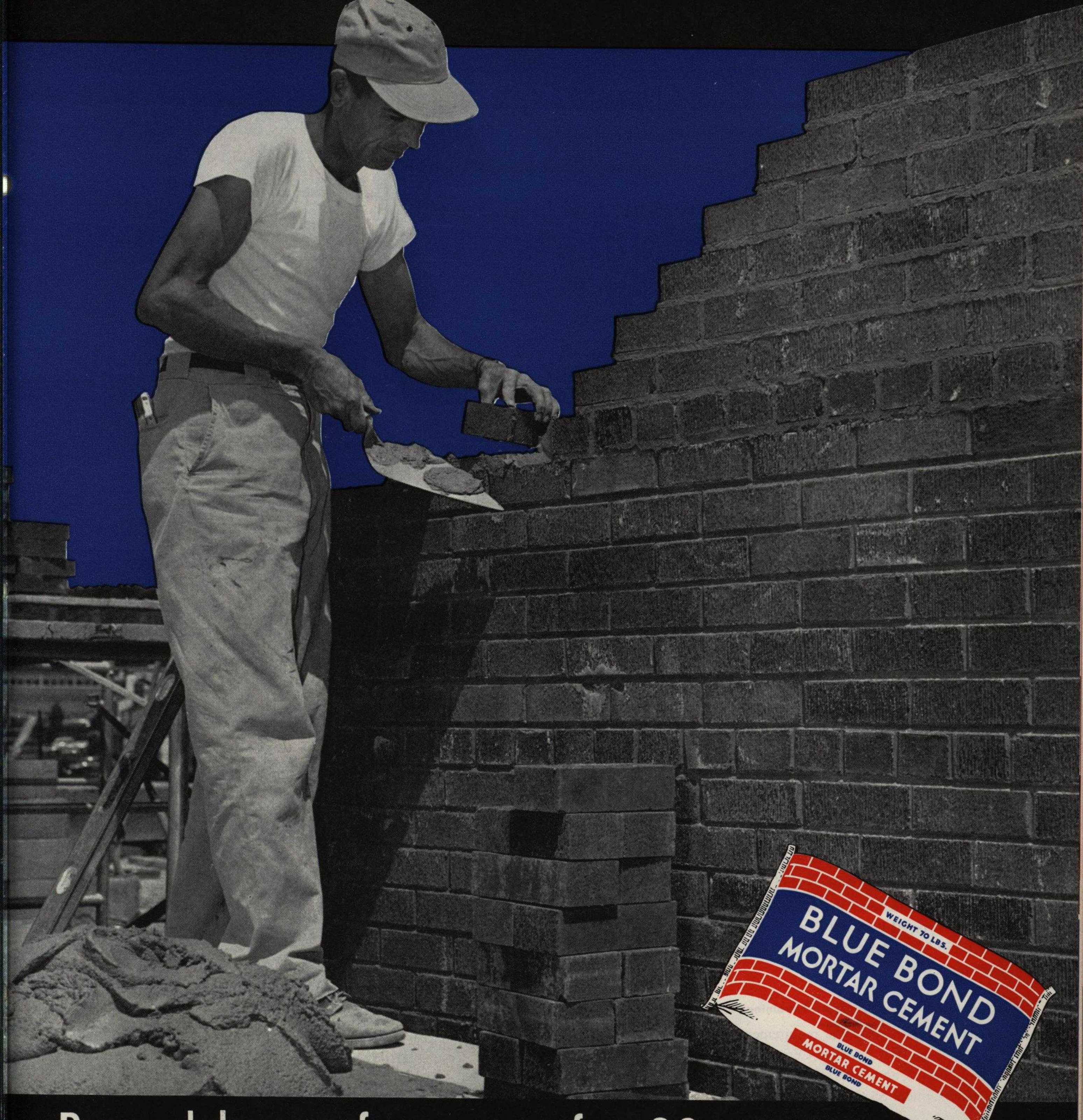
For better masonry

Specify BLUE BOND MORTAR CEMENT



Proved by performance for 20 years

BLUE BOND MORTAR CEMENT

Among the many general purpose masonry cements on the market, Blue Bond Mortar Cement is unique in having back of it 20 years of proved performance in producing strong, permanent, weathertight joints with all types of building units—brick, tile, concrete units, glass block, stone.

When Blue Bond was introduced in 1937, after extensive research, it was welcomed by architects because it supplied a need for a dependable general purpose mortar cement. Today it continues unexcelled in quality—it continues to be the choice of architects who prefer a product with a long record of successful performance.

Blue Bond Characteristics

Blue Bond is plastic, smooth and so workable it spreads with a minimum of time and effort.

It has every attribute which is required to insure high quality mortar joints for lasting weathertight walls.

Plasticity—Makes a smooth, fatty mix which facilitates workability, bedding of units, and filling of the joints with minimum waste from dropping.

High Water Retention—Holds sufficient water to stay plastic even with masonry units of high absorption. Does not dry out rapidly to cause shrinkage.

Bonding Power—Excellent adhesiveness assures a firm bond over the entire unit surface, thus adding strength to the wall.

Strength—Meets every strength specification without sacrificing other properties which in combination are needed for a sound masonry wall.

Minimizes Efflorescence—It has low water absorption which resists the release of water soluble salts from masonry units and mortar, thereby minimizing efflorescence.

Low Volume Change—An inherent property of Blue Bond which lessens shrinkage after hardening.

Blue Bond is a Scientific Product

Blue Bond combines finely ground top quality portland cement clinker with pulverized limestone, to which plasticizing agents are added during the grinding process. The pulverized limestone, being an unburned material, is not subject to expansion or contraction, thus reducing shrinkage in the mortar. It also contributes to the workability and yield of the finished product.

In every phase of processing, beginning with raw material selection, Blue Bond is under strict laboratory control to insure a uniform product, dependable under actual job conditions.

Blue Bond Meets All Specifications

Blue Bond Mortar Cement meets these specifications for masonry cement: A.S.T.M. Designation C91-55T and Federal Specification, SS-C-181C (Types I and II).

For Architectural Specification

Many architects use the American Society for Testing Materials Specification for Mortar for Unit Masonry, designation A.S.T.M. C270-54T. Under this specification a masonry cement (such as Blue Bond) which meets A.S.T.M. Designation C91-55T for masonry cement, may be used for mortar Types A-1, A-2, B and C.

Recommendations for Proportioning and Mixing

For general use, a standard 1:3 mix is recommended. Mix one part (by volume) of Blue Bond with three parts (by volume) of clean, well-graded damp sand, adding water for desired consistency. For best workability a mixing time of 3 minutes at 35 R.P.M. or 1½ minutes at 45 R.P.M. in a mechanical mortar mixer is recommended. A booklet containing detailed instructions and useful tabulations of quantities of materials for all types of masonry units is available on request.

NORTH AMERICAN PORTLAND CEMENTS

North American Portland Cement

Manufactured to meet the requirements of Specifications for Types I and II Portland Cement, A.S.T.M. Designation C150-55, and Federal Specification for Types I and II Portland Cement SS-C-192A.

North American Air-Entraining Portland Cement

Manufactured to meet the requirements of Specifications for Types IA and IIA Portland Cement, A.S.T.M. Designation C175-55, and Federal Specification for Types IA and IIA Portland Cement SS-C-192A.

Blue Streak High-Early Strength Portland Cement

Manufactured to meet the requirements of Specifications for Type III Portland Cement, A.S.T.M. Designation C150-55, and Federal Specification for Type III Portland Cement, SS-C-192A.

Blue Streak High-Early Strength Air-Entraining Portland Cement

Manufactured to meet the requirements of Specifications for Type IIIA Portland Cement, A.S.T.M. Designation C175-55, and Federal Specification for Type IIIA Portland Cement SS-C-192A.

BLUE BOND JOB ADVANTAGES

Only Sand and Water to Add

Blue Bond is ready for instant use when it reaches the job. No other bagged materials to handle—no slaking of lime—no waterproofing or other admixture required, only sand and water to add.

One Cubic Foot per Bag

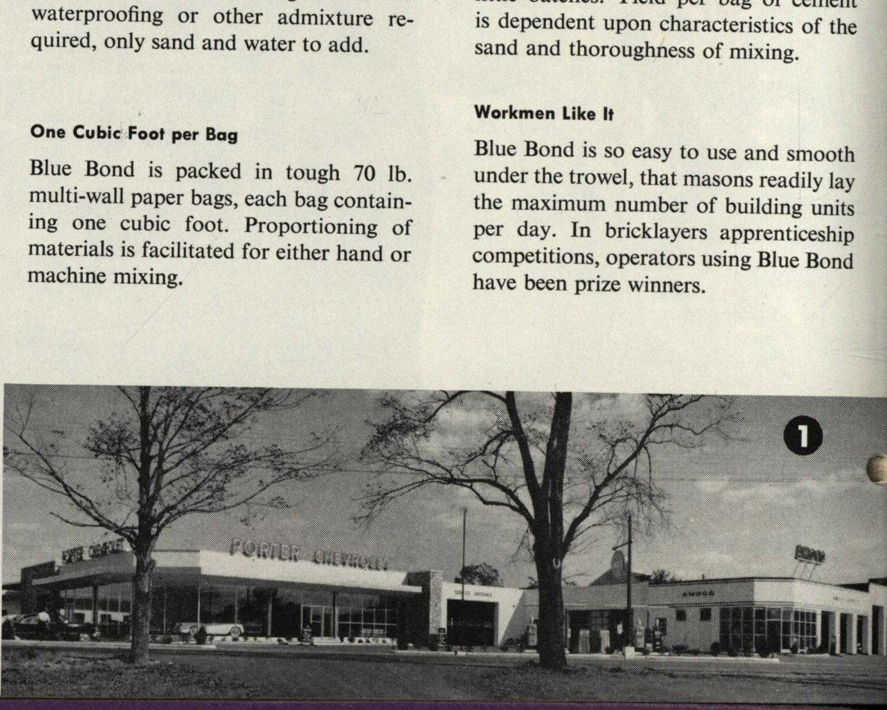
Blue Bond is packed in tough 70 lb. multi-wall paper bags, each bag containing one cubic foot. Proportioning of materials is facilitated for either hand or machine mixing.

High Yield

Blue Bond has high sand carrying capacity which gives maximum yield in big or little batches. Yield per bag of cement is dependent upon characteristics of the sand and thoroughness of mixing.

Workmen Like It

Blue Bond is so easy to use and smooth under the trowel, that masons readily lay the maximum number of building units per day. In bricklayers apprenticeship competitions, operators using Blue Bond have been prize winners.



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Proved by 20 years performance on the job. The choice of discriminating architects.

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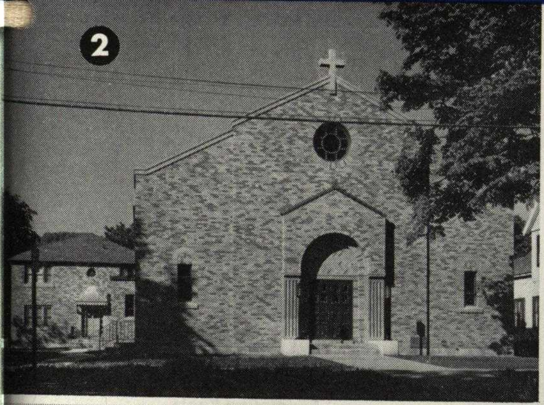

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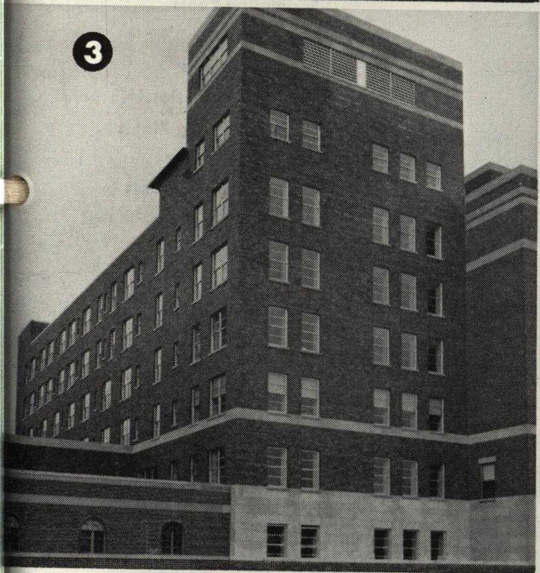

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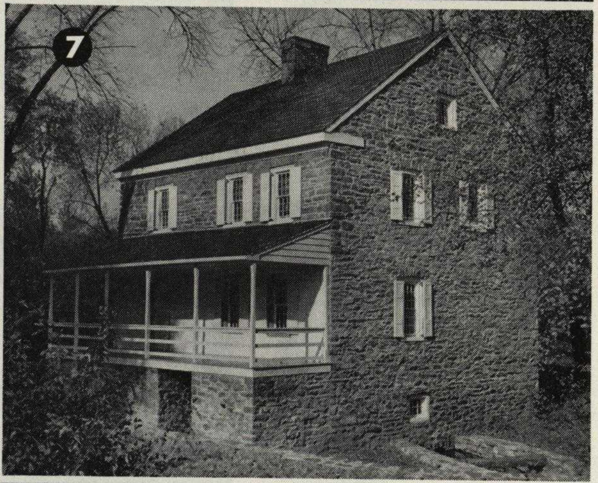

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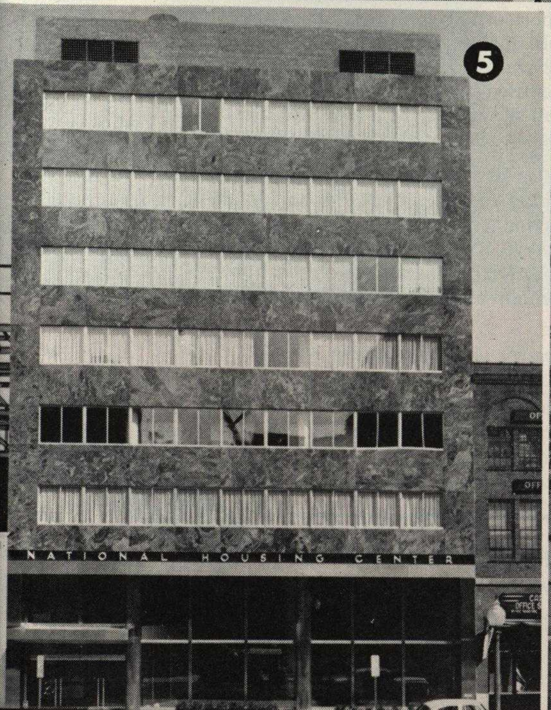

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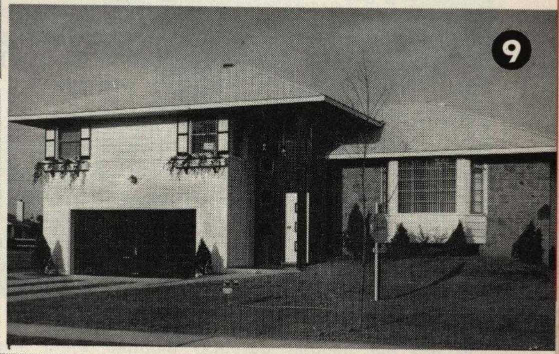

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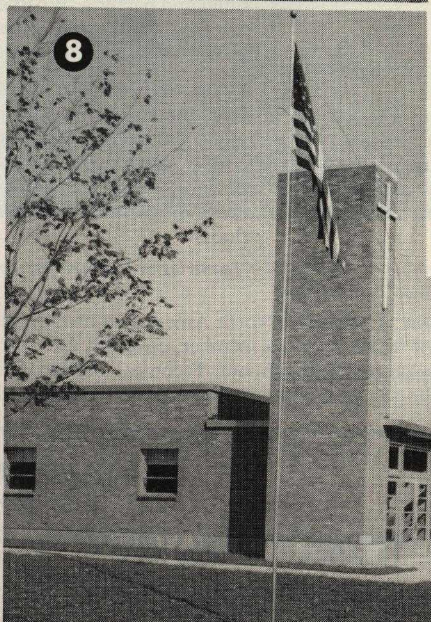


1 CAMBRIDGE, MASS. Automotive Sales and service building. Brick and block were laid up with Blue Bond Mortar Cement. North American Portland Cement was also used.

2 PAINTED POST, N. Y. Immaculate Heart of Mary R.C. Church. Blue Bond Mortar Cement was used for all masonry requirements. Architect, Edward M. Lorscheider, Rochester, N. Y.

3 ALBANY, N. Y. Blue Bond Mortar Cement was used exclusively for masonry in the Nurses' Home, St. Peter's Hospital. North American Portland Cement was used for concrete. Architect, Robert J. Reiley & Associates, New York, N. Y.

4 WALTON, N. Y. Blue Bond Mortar Cement was used for all masonry requirements. North American Portland Cement was used for concrete. Architect, A. F. Gilbert & Son, New York, N. Y.

5 WASHINGTON, D. C. North American Portland Cement was used for all concrete requirements in the National Housing Center, headquarters for the National Association of Home Builders. Architect, Aubinoe—Edwards & Berry, Washington.

6 WASHINGTON, D. C. AFL-CIO National Headquarters. North American Portland Cement was used for all concrete and mortar. Architects, Voorhees, Walker, Smith & Smith, New York, N. Y.; Consultants, Wilson & Denton, Washington, D. C.

7 HAGERSTOWN, MD. Built circa 1740 by Jonathan Hager, founder of the city, this house was restored by Washington County Historical Society. Blue Bond Mortar Cement was used for the masonry restoration.

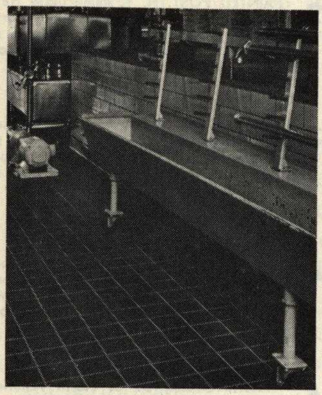
8 NORWICH, N. Y. St. Paul's Parochial School. Architect, Frank C. Dellecesse, Utica, N. Y. Blue Bond Mortar Cement was used for all mortar requirements. North American Portland Cement was used for concrete.

9 JERICHO, L. I., N. Y. Typical of 2600 homes in the Birchwood Park development for which Blue Bond Mortar Cement was used for all masonry requirements. Architect, Stanley H. Klein, New York.

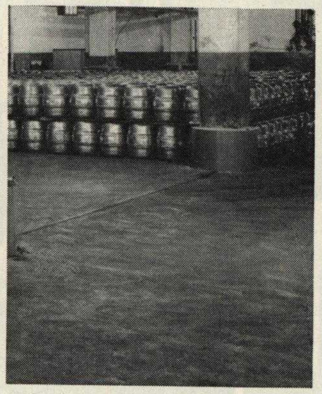
Specify NORTH AMERICAN ANTI-BACTERIAL CEMENT

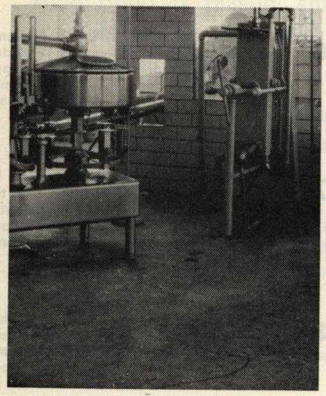
for sanitary floors and walls in:

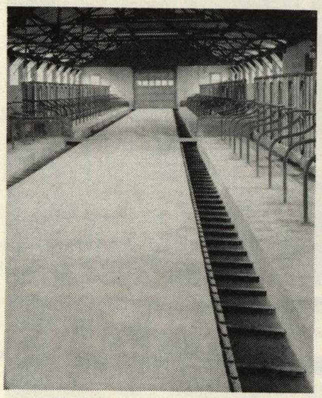
- **Dairies**
- **Milk Plants**
- **Barns**
- **Gymnasiums**
- **Shower Rooms**
- **Locker Rooms**
- **Swimming Pools**
- **Bath Houses**
- **Plant Cafeterias**
- **Restaurant and Hotel Kitchens**
- **Food Processing Plants**
- **Food Warehouses**
- **Pharmaceutical Plants**
- **Chemical Plants**
- **Breweries**


Sheffield Farms Dairy, Hobart, N. Y. Tile floors were grouted with A-B Cement.

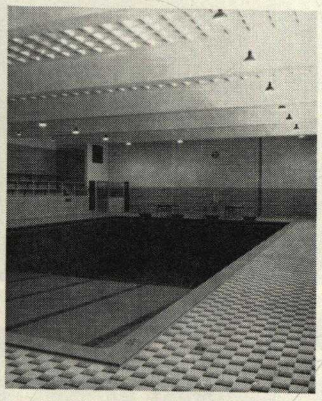
Michigan State College, Lansing, Mich. A-B Cement used for tile work and concrete floor topping in Animal Industry Buildings.


Jacob Ruppert Brewery, New York, N. Y. Large racking cellar floor area topped with A-B Cement concrete.


Needham Dairy, Needham, Mass. Concrete floors are surfaced with A-B Cement.


Bonomi Dairy Barn, Agawam, Mass. A-B Cement was used for concrete floor topping in barn and dairy cooling room.

Restaurant Kitchen, Sharon, Mass. Floor tile in kitchen and soda bar were bedded and grouted with A-B Cement.


Douglas High School, Baltimore, Md. A-B Cement was used in laying up tile in swimming pool and approaches; and for grouting shower room tile floors.

North American Anti-Bacterial Cement is a portland cement product in which a bacteria-resistant ingredient is incorporated during the manufacturing process. Used in place of ordinary portland cement, it imparts lasting bacteria-fighting quality to the surfaces in which it is incorporated. In fact tests have determined that its effectiveness improves with age.

Its remarkable bacteria-inhibiting qualities have been demonstrated over a period of 14 years; 7 years of research and test installations and 7 years of commercial use. Countless re-orders from users show satisfaction. Use by the U. S. Dept. of Agriculture for floor areas in the new Plum Island Laboratory designed for study of hoof-and-mouth disease of cattle, and use by state universities in new veterinary and animal industry buildings are indications of the effectiveness of A-B Cement where extreme sanitary precautions are vital.

In dairies, barns and food plants, its use for floor topping resists the forming of lactic acid and food acids which cause costly surface etching. Users report usually prevalent odors do not occur. In swimming pools, locker rooms, bath and shower rooms, its use reduces the hazards of infection from pathogenic fungi and bacteria. Whether used for concrete floor topping, for terrazzo, for plastering wall surfaces, or as a grout for tile, the growth of bacteria and fungi on such surfaces is greatly retarded.

In use, it should be handled as a high-early-strength cement with moderate air-entraining characteristics. Mixing, placement, finishing operations and length of cure should be in accord with a cement of this type. The addition of mineral colors does not impair the anti-bacterial efficiency. Its physical properties provide ample strength and durability for industrial floors.

Inquiries are invited for specific data covering any use.

INFORMATIVE BOOKLETS AND TECHNICAL SERVICE—North American's own publications and those of the Portland Cement Association, of which we are a member, cover all uses of cement. Requests for copies of these publications are welcome. Through our Technical Service Department, a competent engineer is available for consultation with architects on matters pertaining to the use of cement.

NORTH AMERICAN CEMENT CORPORATION

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